

No.

8300169



# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

**Monmersteeg International, B.V.**

Whereas, THERE HAS BEEN PRESENTED TO THE

**Secretary of Agriculture**

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *eighteen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EX- OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT (U.S.C. 542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

RED FESCUE

'Moncorde'



Attest:

*Kenneth H. ...*  
Commissioner  
Plant Variety Protection Office  
Agricultural Marketing Service

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this 26th day of October in the year of our Lord one thousand nine hundred and eighty-four.

*John R. Block*  
Secretary of Agriculture



U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
LIVESTOCK, MEAT, GRAIN & SEED DIVISION

FORM APPROVED: OMB NO. 0581-0005

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions on reverse)

No certificate for plant variety protection may be issued unless a completed application form has been received (5 U.S.C. 553).

1. NAME OF APPLICANT(S) MOMMERSTEEG INTERNATIONAL B.V.		2. TEMPORARY DESIGNATION	3. VARIETY NAME MONCORDE
4. ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) P.O. Box 1 5250 AA VLIJMEN, The Netherlands		5. PHONE (Include area code) the Netherlands 4108 - 9116	FOR OFFICIAL USE ONLY VPPO NUMBER 8300169
6. GENUS AND SPECIES NAME Festuca rubra ssp. rubra	7. FAMILY NAME (Botanical) GRAMINEAE		FILING DATE 8/29/83 TIME 2:30 <input type="checkbox"/> A.M. <input checked="" type="checkbox"/> P.M.
8. KIND NAME GRASSES (Spreading Red Fescue)	9. DATE OF DETERMINATION July 15, 1971		FEES RECEIVED AMOUNT FOR FILING \$ 1,000 DATE 8/29/83 AMOUNT FOR CERTIFICATE \$ 500.00 DATE 10/10/84
10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION (Corporation, partnership, association, etc.) CORPORATION			12. DATE OF INCORPORATION 2-26-1973
11. IF INCORPORATED, GIVE STATE OF INCORPORATION THE NETHERLANDS			
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS Mr. Stan Rollin 6802 OREM DRIVE, LAUREL MD 20707			

14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED

- a. ☒ Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)  
b. ☒ Exhibit B, Novelty Statement  
c. ☒ Exhibit C, Objective Description of the Variety (Request form from Plant Variety Protection Office.)  
d. ☐ Exhibit D, Additional Description of the Variety

15. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act.)  
☐ Yes (If "Yes," answer items 16 and 17 below) ☒ No

16. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?  
☐ Yes ☐ No

17. IF "YES" TO ITEM 16, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?  
☐ Foundation ☐ Registered ☐ Certified

18. DID THE APPLICANT(S) FILE FOR PROTECTION OF THE VARIETY IN THE U.S. OR OTHER COUNTRIES?  
THE NETHERLANDS (November 30, 1972) ☒ Yes (If "Yes," give names of countries and dates)  
Federal Republic of Germany (September 29, 1972) ☐ No

19. HAVE RIGHTS BEEN GRANTED IN THE U.S. OR OTHER COUNTRIES?  
THE NETHERLANDS (December 24, 1976) ☒ Yes (If "Yes," give names of countries and dates)  
Federal Republic of Germany (March 13, 1978) ☐ No

20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable.  
The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF APPLICANT Mommersteeg International b.v. (J.J. Hintzen)	DATE December 3, 1981
SIGNATURE OF APPLICANT	DATE

## INSTRUCTIONS

**General:** Send an original copy of the application and exhibits, at least 2,500 viable seeds, and \$500 fee (*\$250 filing fee and \$250 examination fee*) to U.S. Department of Agriculture, Agricultural Marketing Service, Livestock, Meat, Grain and Seed Division, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. (*See section 180.175 of the Regulations and Rules of Practice.*) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

### Item

- 9 Give the date the applicant determined that he had a new variety based on (1) the definition in section 41(a) of the Act and (2) the date a decision was made to increase the seed.
- 14a Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4) evidence of uniformity and stability.
- 14b Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties: (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.
- 14c Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data.
- 14d Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 15 If "Yes" is specified (*seed of this variety be sold by variety name only as a class of certified seed*) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled, his decision published, or the certificate has been issued. However, if the applicant specified "No," he may change his choice. (*See section 180.16 of the Regulations and Rules of Practice.*)
- 16 See section 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice.



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Application for Plant Variety Protection Certificate

14 A Exhibit A, Origin and Breeding History of the Variety

Genus and Species : Festuca rubra ssp. rubra

Variety : MONCORDE

Genealogy and Breeding Method

In 1968 plants of a lot of ecotypes have been collected in the Netherlands. In 1969 the material was observed in a single spaced plant nursery, a number of plants was selected and cloned in July 1969. After clonal observation in 1970 a number of synthetics (based on a number of clones) were harvested and seeded in turf trials and seed production trials.

One of the synthetics harvested was Mom Frr 10, based on 3 families. After a small multiplication, seeded in August 1971 and harvested in 1972, the variety was submitted for the first time in September 1972 (Federal Republic of Germany). In September 1976 the variety was named MONCORDE.

Reproduction and Multiplication

Seed of the 3 basic families has been dried and stored under dry and cold conditions. If necessary, we harvest first generation seed from single spaced plants derived from the 3 basic families. The next generations in the seed production are: 2. Pre-basic Seed (= Breeder's Seed) 3. Basic Seed (= Foundation or Registered Seed) and 4. Certified Seed.

Moncorde is a synthetic variety of a cross-fertilizing species. Within this type of varieties there is a certain allowed degree of variance within the properties used for protection. All plants of Moncorde produced in the several generations are within this type of variance.

Uniformity and Stability

The above mentioned method of maintaining and multiplying a synthetic variety of grass has proven to work very well. Until now we did not have difficulties concerning uniformity and stability in our own trials, comparing the several generations.

Also the Dutch authorities of the RIVRO (Variety Research Institute) and the NAK (Certifying Agency) did not have problems with uniformity and stability, testing prebasic, basic and certified seed.

The variety Moncorde has obtained protection in the Netherlands and in the Federal Republic of Germany. The authorities in both countries have declared the variety to be distinct, uniform and stable.

THE UNITED STATES OF AMERICA

DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

TO THE SECRETARY OF THE INTERIOR  
FROM THE DIRECTOR OF THE BUREAU OF LAND MANAGEMENT  
SUBJECT: [Illegible]

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[Illegible text block]

[Illegible text block]

RECEIVED

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Application for Plant Variety Protection Certificate14 B Exhibit B, Novelty StatementGenus and Species : *Festuca rubra rubra*Variety : MONCORDE

Moncorde is an octoploid variety of fine fescue with rhizomes, a so-called Spreading Red Fescue. The variety has a red-coloured leafsheath, an open leaf-blade, a dark leafcolor. The variety is late heading and has a semi-erect growthhabit.

The variety Moncorde most closely resembles the variety RUBY, but differs from RUBY by:

- a). a shorter flagleaf (19 mm)
- b). a darker leafcolor
- c). a more prostrate growthhabit
- d). later heading date (2 days)

The following trial results are from Wageningen, the Netherlands (3 reps of 20 plants for every variety every year).

Characteristic	year	Moncorde	Ruby	LSD 1%
<u>A. Length of flagleaf</u> (in mm)	1974	86	118	18
	1975	95	115	15
	1976	94	107	16
	1977	106	134	21
	1978	101	109	25
	1979	96	101	17
	1980	121	139	12
	1981	119	148	19
<u>B. Leafcolor</u> 1 = very light 9 = very dark Average of 60 plants in fall of planting year	1973	7.3	5.4	
	1974	6.2	4.9	
	1975	6.4	5.7	
	1976	5.9	4.9	
	1977	5.9	5.2	
	1978	5.6	4.9	
	1979	5.2	4.9	
	1980	5.7	4.8	
	1981	6.5	5.5	





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Characteristic	Year	Moncorde	Ruby	LSD 1%
<u>C. Growthhabit</u>	1973	4.4	6.7	
1 = very prostrate	1974	5.7	7.4	
9 = very erect	1975	4.0	5.3	
Average of 60 plants	1976	4.0	6.0	
in fall of planting	1977	3.5	5.8	
year	1978	3.7	5.9	
	1979	3.0	3.7	
	1980	4.5	5.3	
	1981	3.9	5.1	
<u>D. Heading Date</u>	1974	41	36	3.4 days
Days after March 31.	1975	40	39	3.5
	1976	43	42	2.2
	1977	46	43	3.4
	1978	40	39	2.7
	1979	48	47	1.5
	1980	45	41	3.1
	1981	41	40	2.6

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Date		Description		Amount	
1911	Jan 1	Balance		100.00	
1911	Jan 15	Received from A. B. C.		50.00	
1911	Feb 1	Received from D. E. F.		25.00	
1911	Mar 1	Received from G. H. I.		75.00	
1911	Apr 1	Received from J. K. L.		100.00	
1911	May 1	Received from M. N. O.		150.00	
1911	Jun 1	Received from P. Q. R.		200.00	
1911	Jul 1	Received from S. T. U.		250.00	
1911	Aug 1	Received from V. W. X.		300.00	
1911	Sep 1	Received from Y. Z. A.		350.00	
1911	Oct 1	Received from B. C. D.		400.00	
1911	Nov 1	Received from E. F. G.		450.00	
1911	Dec 1	Received from H. I. J.		500.00	
1911	Total			2500.00	

Received of

for

the sum of

Five hundred

dollars

and no/100

cents

only

for

the sum of

Five hundred

dollars

and no/100

cents

only

RECEIVED BOND FOR

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
LIVESTOCK, MEAT, GRAIN & SEED DIVISION  
PLANT VARIETY PROTECTION OFFICE  
BELTSVILLE, MARYLAND 20705

EXHIBIT C  
(Fine Leaved Fescues)

OBJECTIVE DESCRIPTION OF VARIETY  
FINE LEAVED FESCUES  
(*Festuca spp.*)

NAME OF APPLICANT(S) Mommersteeg International b.v.	TEMPORARY DESIGNATION	VARIETY NAME MONCORDE
ADDRESS (Street and No., or R.F.D. No., City, State, and Zip Code) P.O. Box 1 5250 AA VLIJMEN, The Netherlands		FOR OFFICIAL USE ONLY PVPO NUMBER 8300169

Place the appropriate number that describes the varietal character of this variety in the boxes below. Use leading zeroes when necessary (e.g.,    or   ). Characteristics described including numerical measurements, should represent those that are typical for the variety. Measured data should be for SPACED PLANTS. Royal Horticultural Society or any recognized color fan may be used to determine plant colors; designate system used: \_\_\_\_\_

Describe location of test area, conditions and number of plants used: \_\_\_\_\_

WAGENINGEN, The Netherlands. Every year 60 plants (in 3 reps). Additional row-trials.

1. SPECIES: (With comparison varieties for use below - use varieties within species of application variety)

<input type="text" value="3"/>	1 = <i>F. rubra ssp. commutata</i> (Chewings)	11 = Cascade	12 = Highlight	13 = Jamestown
	2 = <i>F. rubra ssp. litoralis</i> (Creeping Red)	14 = Banner	15 = Barfalla	23 = Merlin
	3 = <i>F. rubra ssp. rubra</i> (Spreading Red)	21 = Dawson	22 = Starlight	33 = Fortress
	4 = <i>F. ovina</i> (Sheep)	24 = Pennlawn	32 = Ruby	
	5 = <i>F. longifolia</i> (Hard)	31 = Boreal	34 = Ensylva	
	6 = <i>F. tenuifolia</i> (Fine-Leaved Sheep)	41 = Covar		
	7 = Other (Specify) <i>F.</i> _____	51 = Durar	52 = Biljart (C-26)	53 = Scaldis
		61 = Panda	62 = Barok	

2. CYTOLOGY:

<input type="text" value="5"/> <input type="text" value="6"/>	Chromosome Number	<input type="text" value="4"/>	Ploidy	1 = diploid	2 = tetraploid	3 = hexaploid
				4 = octoploid		

3. ADAPTATION: (0 = Not Tested; 1 = Not Adapted; 2 = Adapted)

<input type="text" value="2"/>	Northeast	<input type="text" value="0"/>	Southeast	<input type="text" value="2"/>	North Central	<input type="text" value="2"/>	Pacific N.W.	<input type="text"/>	Other (Specify) _____
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4. MATURITY: Date First Headed (panicle emergence) Location(s) of Trial(s) WAGENINGEN, The Netherlands

<input type="text" value="5"/>	Maturity Class:			
	1 = Very Early (Covar)	2 = Early (Highlight)	3 = Medium Early (Boreal, Dawson)	
	4 = Medium Late (Cascade, Ruby)	5 = Late (Jamestown, Agram)	6 = Very Late	
	Date Headed _____			
<input type="text" value="0"/> <input type="text" value="2"/>	Days earlier than _____	<input type="text" value="3"/> <input type="text" value="2"/>	} Comparison Variety	
	Maturity same as _____	<input type="text" value="3"/> <input type="text" value="2"/>		
	Days later than _____	<input type="text" value="3"/> <input type="text" value="2"/>		

5. PLANT HEIGHT: (At maturity; to top of panicle; Average of 10 tallest culms)

<input type="text" value="8"/> <input type="text" value="2"/> <input type="text" value="0"/>	mm height			
<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>	mm shorter than _____	<input type="text" value="3"/> <input type="text" value="2"/>	} Comparison Variety	
	Height same as _____	<input type="text" value="3"/> <input type="text" value="2"/>		
<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>	mm taller than _____	<input type="text" value="3"/> <input type="text" value="2"/>		

6. GROWTH HABIT: (Mature)

<input type="text" value="2"/>	1 = Erect (Ruby)	2 = Semi-erect (Highlight)	3 = Prostrate (Silvana)
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7. RHIZOMES:

<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>	mm Length	<input type="text" value="0"/> <input type="text" value="0"/>	mm Width	<input type="text" value="0"/> <input type="text" value="0"/>	mm Internode length
<input type="text" value="3"/>	1 = Absent (Highlight)	2 = Weakly Creeping (Dawson)	3 = Strongly Creeping (Boreal)		
	4 = Very Strongly Creeping (Fortress)				

15. GIVE VARIETY OR VARIETIES THAT MOST CLOSELY RESEMBLE THE APPLICATION VARIETY. For the following characteristics indicate Degree of Resemblance by placing the column marked, D.R., one of the following numbers:

1 = Application variety is less than comparison variety.      2 = Same As  
3 = More than, better, greater, darker, more disease resistant, etc.

CHARACTER	VARIETY	D.R.	CHARACTER	VARIETY	D.R.
Rhizome Length			Growth Habit	Ruby	1
Leaf Width	RUBY	2	Leaf Color	Ruby	3
Panicle Color			Panicle Shape		
Winter Color			Cold Injury		
Shade Tolerance			Heat		
Drought			Disease *		

\* Specify each disease evaluated.

16. ADDITIONAL DESCRIPTION: (Use additional sheets as required)

Describe all characteristics that cannot be adequately described in the form above in Exhibit D. Comparative varieties should be used as may be appropriate, such as for disease. Append all comparative trial and evaluation data, including measured characters, environmental, and disease tests.



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# Mommersteeg International

TO WHOM IT MAY CONCERN.

With this writing MOMMERSTEEG INTERNATIONAL B.V., Vlijmen  
the Netherlands, declares:

- a). that seed of the variety MONCORDE, Spreading red fescue  
(Festuca rubra rubra) was marketed for the first time  
in September 1979 (this happened in the Netherlands).
- b). that until now the variety MONCORDE has not been marketed  
in the United States of America.

VLIJMEN, October 11, 1982

MOMMERSTEEG INTERNATIONAL B.V.

  
W.H. Verburgt, President

**Mommersteeg International bv zaadteelt en zaadhandel**

Postbus 1  
5250 AA Vlijmen Holland  
Telefoon: 4108-9116  
Telex: 50248

Handelsreg. Den Bosch: 3125  
Giro: 1069769  
Bank: Centr. Rabobank Utrecht  
30.00.27.982

Minister of International

United States Border Guard